

Work Order ID 55885

February 3, 2010 3:07:41 PM

Page 1

PRELIMINARY ISSUE

Item ID: D4026-1

Accept

Setup

Start

Revision ID:

Stop

Item Name: Fuel Gauge

Start Date: 2/03/10 Start Qty: 2.00

Cust Item ID:

Required Date: 2/03/10 Req'd Qty: 2.00

Customer:

Reference:

Run

Start

Approvals: Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D4026

PA1

Rev A

0.00

0.00

0.00

0.00

0.00

0.00

100

Purchasing

Purchasing

Memo

Issue P.O P/N: FL-100-R 011313
possible supplier Aircraft Spruce

110

Receive & Inspect for Damage & Mat'l Certs

Packaging

Packaging

Memo

120

QC6- Inspect dimensions to drawing

QC

Quality Control

Memo

SIN ASL 004669

SIN ASL 004667

✓ 1040203

5102108

Rev 13

710

82

Dart Aerospace Ltd

W/O: 55885		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
100208	110	tools are for HAI	<i>[Signature]</i>	10-02-08	1	<i>[Signature]</i>	

Part No: D4026-1 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 55885

February 3, 2010 3:07:41 PM



Page 2

Item ID: D4026-1

Accept



Setup

Start



Revision ID:

Item Name: Fuel Gauge

Stop



Start Date: 2/03/10

Start Qty: 2.00



Cust Item ID:

Required Date: 2/03/10

Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Identify as per dwg & Stock Location: *GA*

0.00



Packaging

Memo

0.00

Packaging

ES 10/08/09 (2)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/08/09 AJ

Use for 2

MP 10-8-9

POSITIVE RECALL

REACTIVE

AUTH

DATE

2/4/2

*00700Feb
HA1*

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Page 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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[REDACTED]

Start Date: 2/03/10

Required Date: 2/03/10

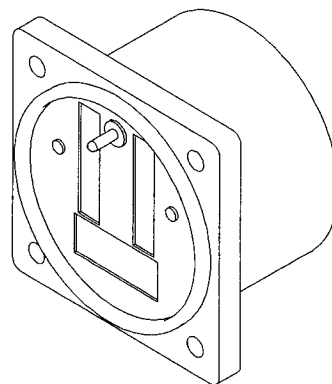
Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
FL-100-R  Fuel Gauge		Purchased	No				Each	0.0000	2.0000 		<i>MR</i> 10-2-19	

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4026-1	FL-100-R-JCA

SPECIFICATION CONTROL DRAWING



WLB
55885

DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R 1	-15°C TO +55°C 5°F TO 131°F	450mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R _{MAX} = 300 OHMS R _{MIN} = 0 OHMS	6 - 32 VDC

D4026-1 FUEL GAUGE

PRELIMINARY ISSUE

10.01.19

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN	DE	DART AEROSPACE LTD
DRAWN	DE	HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO.
MFG. APPR.		D4026
APPROVED		TITLE
DE APPR.		FUEL GAUGE
DATE	10.01.19	SCALE
		NTS

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NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

REV. PA1

SHEET 2 OF 2



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 682 1053

PURCHASE ORDER

Purchase Order ID PO11313

Purchase Order Date 2/03/10

PO Print Date 2/03/10

Page Number 1 of 1

Order From :

VU-ROY001

VISA
PAYMENT CENTRE, PO BOX 4016, STAT. A
TORONTO,

Contact Name
Vendor Phone
Vendor Fax
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	FL-100-R	Fuel Gauge	2/03/10 Yes	2.00 Each	FedEx Overnight	\$485.0000	\$970.00

Special Inst: Manufactured P/N 10-00304

PO Total: \$970.00

Aircraft Space

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 2/03/10

AIRCRAFT SPRUCE & SPECIALTY CO.

P.O. BOX 4000 • 225 AIRPORT CIRCLE, CORONA, CA 92878-4000
AIRCRAFT SPRUCE WEST: CORONA, CA • AIRCRAFT SPRUCE EAST: PEACHTREE CITY, GA
ADMINISTRATION (951) 372-9555 • FAX (951) 372-0555
CALL TOLL FREE (877) 4-SPRUCE (877) 477-7823

333088

DART AEROSPACE, LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

DATE: 02/02/10
PLEASE RETURN THIS PORTION
WITH YOUR REMITTANCE

P.O. BOX 4000 • CORONA, CA 92878-4000

PAGE: 1 477675

CUST: 333088

AWB: 973551680010

HLINDA LACELLE

P 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

NOTE: ANY SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.

BACKORDERED PRODUCTS WILL SHIP AS SOON AS AVAILABLE.

ORDER NO.	INVOICE NO.	CUSTOMER P.O. NO.	SHIP VIA	TERMS	DATE SHIPPED
438634	477675	AUX TANK	FEDEX CANADA P	CREDIT CARD	02/02/10
QUANTITY SHIPPED	BACK ORDERED	DESCRIPTION	DISC.	UNIT PRICE	EXTENSION
2.00		10-00304 AEROSPACE FUEL LEVEL FL-100-R COUNTRY OF ORIGIN USA THANK YOU FOR YOUR ORDER <i>8 10/2/02</i>		485.000	970.00
CERTIFICATE OF CONFORMANCE The products on this invoice have been obtained through authorized manufacturers or distributors and to the best of our knowledge fully meet all applicable specifications. There may be products on this invoice which are not approved for use on FAA type certificated aircraft. Purchaser is responsible for determining suitability of any part purchased from Aircraft Spruce for installation on their certificated or experimental aircraft. <i>James J. Irwin</i> James J. Irwin, President					
SUBTOTAL	TAX	MISC. CHARGE	FREIGHT	PAID WITH ORDER	BALANCE DUE
970.00		0.00	55.96	-1,025.96	USD 0.00

WAIVER OF LIABILITY AND INDEMNIFICATION AGREEMENT-Inasmuch as Aircraft Spruce & Specialty Company has no opportunity to supervise the installation, or maintenance of parts supplied by it, nor any opportunity to participate in the design or manufacture of the products it sells or of the various homebuilt and certificated aircraft in which its parts are utilized, the purchaser, by placing this order with Aircraft Spruce & Specialty Company and accepting the parts, agrees that all materials purchased will be used solely at purchaser's risk and that the purchaser will indemnify and hold Aircraft Spruce & Specialty Company, its owners and employees, free and harmless from all loss, liability, and damage resulting from claims brought by reason of any alleged failure or defect of any parts or parts supplied by Aircraft Spruce & Specialty Company. If this agreement is unacceptable to purchaser, the purchaser will immediately return in new condition all products listed on this invoice to Aircraft Spruce for refund of purchase price.

When returning merchandise:

- Please call Customer Service for an RMA number.
- Write the RMA number on each package.
- Fill in the information below and enclose this form with the package.
- Insure and ship to: Aircraft Spruce West
225 Airport Circle
Corona, CA 92880
Attn: Customer Return

RETURN POLICY

Merchandise may be returned for credit or refund within 30 days from date of purchase if received in resaleable condition - packed in original manufacturer's box, complete with instructions and all components (if applicable). A copy of the original order showing purchase or information stating the invoice number and date of purchase with reason for return must accompany the article. Do not mail purchase information in letter form under separate cover. A 15% restocking charge may be applicable to all merchandise returned to cover costs involved in processing the return. Do not return any products C.O.D. as it cannot be accepted by our warehouse. *All returns must be made to Aircraft Spruce West in Corona, CA.* Call first for return authorization and instructions.

PRODUCT WARRANTY

In cooperation with the manufacturers we represent, Aircraft Spruce & Specialty Co. warrants for a period of one year (on most products) from the date of original purchase its products to be free from defects in material and workmanship. Aircraft Spruce & Specialty Co.'s obligation under this warranty is limited to repair or replacement of the purchased product only, and under no circumstances shall Aircraft Spruce & Specialty Co. be liable for any loss, damage, injury, cost of repair or consequential damages of any kind in connection with the sale, use or repair of any product purchased from Aircraft Spruce & Specialty Co.

RETURNED MERCHANDISE

Item Number	Description	Price

If you have any questions about your order call Toll Free (877) 4-SPRUCE (877-477-7823)

PLEASE SEND

Item Number	Description	Price

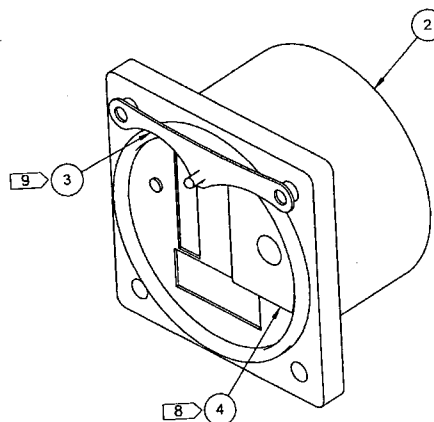
Reason for Return - Please check appropriate box:

- ☐ Wrong item Ordered ☐ Quality Unsatisfactory ☐ Arrived Late ☐ Other
☐ Defective ☐ Not As Described ☐ Wrong Item Sent ☐ Core Credit

NOTE: CREDIT CANNOT BE ISSUED WITHOUT DETAILS COMPLETED BELOW.

DETAILS: _____

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4026-041	FUEL GAUGE ASSEMBLY	FL-100-R-JCA (REF)
2	1	D4026-1	FUEL GAUGE	
3	1	D4014-1	SWITCH PLATE	
4	1	D4014-3	GAUGE COVER	
5	A/R		DOUBLE SIDED TAPE	



D4026-041 FUEL GAUGE ASSEMBLY

55885
RELEASED
2010-05-05
ND

NOTES:

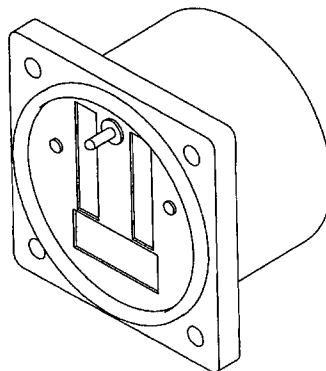
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.24 lbs
- 8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE
- 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

A	NEW ISSUE	DESCRIPTION	BY	DATE
REV.				10.02.05
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	10.02.05			

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D4026	REV. A
TITLE FUEL GAUGE	SHEET 1 OF 2
SCALE NTS	
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4026-1	FL-100-R-JCA

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	AIRCRAFT SPRUCE AND SPECIALTY	10-00304	-15°C TO +55°C 5°F TO 131°F	450 mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R _{MAX} = 300 OHMS R _{MIN} = 0 OHMS	6 - 32 VDC

D4026-1 FUEL GAUGE

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
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- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4026	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		FUEL GAUGE	NTS
DATE	10.02.05	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

55885
RELEASED
2010-05-05
MD